July 1, 1999

CLASS SPECIFICATION

SAN DIEGO CITY CIVIL SERVICE COMMISSION

<u>**SENIOR MECHANICAL ENGINEER**</u>

<u>**DEFINITION:**</u>

Under general supervision, to plan, direct and supervise a mechanical engineering section responsible for managing consultant contracts for the design and construction of buildings and facilities; to serve as the Department's expert in matters relating to mechanical engineering; and to perform related work.

* <u>**EXAMPLES OF DUTIES:**</u>

- Plans, assigns and directs the work of a group of subordinate professional level engineers responsible for managing consultant contracts for the design and construction of public buildings and facilities;
- Serves as the department's mechanical engineering expert in the preparation of proposals, cost estimates, and design of plumbing, heating, ventilation, air conditioning, and other mechanical systems;
- Coordinates work of the section with other engineering sections and divisions;
- Prepares and reviews Capital Improvement Program proposals;
- Prepares and negotiates contracts with consultants;
- Reviews design plans for mechanical systems;
- Resolves design and construction problems;
- Conducts cost/benefit analyses of mechanical systems;
- Researches questions relating to mechanical, plumbing, and energy conservation codes and ordinances as well as alternative energy sources;
- Writes reports and makes presentations to the City Manager, Council Committees, and/or City Council regarding the status of projects;
- Trains, evaluates and rates the work of subordinates.

<u>**MINIMUM QUALIFICATIONS:**</u>

Please note: the minimum qualifications stated below are a guide for determining the education, training, experience, special skills, and/or license which may be required for employment in the class. These are re-evaluated each time the position is opened for recruitment. Please refer to the most recent Job Announcement for updated minimum qualifications.

Current registration as a professional Mechanical Engineer with the State of California.

* **EXAMPLES OF DUTIES** performed by employees in this class. The list may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.